

Converting Colors

XYZ(90.5613, 108.8791,
105.5860)

Have a look what the booklet for
XYZ(90.5613, 108.8791, 105.5860)
contains.

XYZ(83.2903, 94.0475, 103.3857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.2903, 94.0475,
103.3857)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFF9
RGB	223, 255, 249
RGB Percent	87%, 100%, 98%
CMY	0.1255, 0.0000, 0.0235
CMYK	0.13, 0.00, 0.02, 0.00
HSL	169°, 100%, 94%
HSV	169°, 13%, 100%
XYZ	83.2903, 94.0475, 103.3857
YIQ	244.7480, -17.1460, -8.6500

Conversions

Conversions Part 2

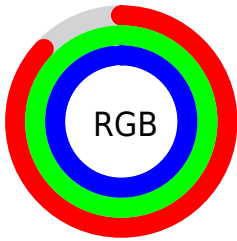
Format	Color
R _Y B	223, 241, 255
Decimal	14680057
CIE Lab	97.65, -11.40, -0.63
CIE LCh	98, 11.422, 183.140
Yxy	94.0475, 0.2967, 0.3350
Android (android.graphics.Color)	4292870137 (0xFFDFFF9)
YUV	244.7480, 2.0962, -19.0730
Hunter-Lab	96.9781, -16.4057, 4.6772

Details

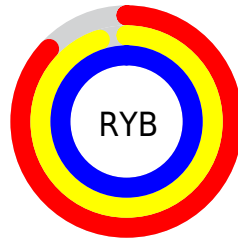
The XYZ color **83.2903, 94.0475, 103.3857** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.7711, 79.6936, 85.2015**, and the grayscale version is **86.5818, 91.0908, 99.1978**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9682, 52.5633, 58.1750** is the 20% darker color. If you saturate the color by 10%, you get **75.2805, 90.0034, 99.1693**, and if you desaturate by 10%, it is **92.5042, 98.7102, 107.7604**.

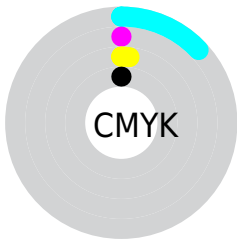
Distribution



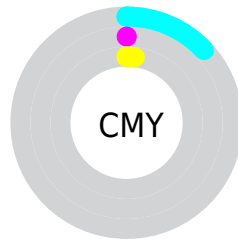
- Red (87%)
- Green (100%)
- Blue (98%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2903, 94.0475, 103.3857 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.2903, 94.0475, 103.3857 by changing the saturation by 10% instead.

83.2903, 94.0475,
103.3857

83.2903, 94.0475,
103.3857

494.5228,
541.1111, 592.3330

62.7474, 71.3425,
78.4985

136.9084,
152.9480, 167.8945

45.8948, 52.6217,
57.9647

170.7143,
189.9123, 208.3532

32.3671, 37.5009,
41.3657

209.6719,
232.3985, 254.8394

21.7989, 25.5955,
28.2831

254.1465,
280.7909, 307.7717

13.8250, 16.5213,
18.2983

304.5036,
335.4740, 367.5687

8.0799, 9.8938,
10.9927

361.1084,

4.1984, 5.3286,

396.8321, 434.6489

5.9478

424.3264,
465.2497, 509.4308

■ 1.8150, 2.4413,
2.7451

■ 0.5267, 0.8470,
0.9660

■ 83.2903, 94.0475,
103.3857

■ 83.2903, 94.0475,
103.3857

■ 75.2805, 90.0034,
99.1693

■ 92.5042, 98.7102,
107.7604

■ 68.4191, 86.5490,
95.1035

95.0500, 100.0000,
108.9000

■ 62.6501, 83.6557,
91.1864

■ 57.9117, 81.2916,
87.4143

■ 54.1361, 79.4217,
83.7834

■ 51.2468, 78.0065,
80.2893

■ 49.1558, 77.0008,
76.9271

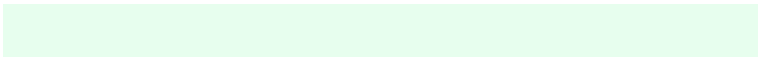
■ 47.7566, 76.3496,
73.6911

■ 47.0469, 76.0347,
71.3558

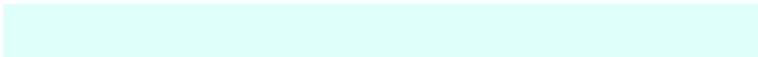
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9265, 94.0475, 94.5223



83.2903, 94.0475, 103.3857



84.2553, 94.0475, 112.5065

Triad

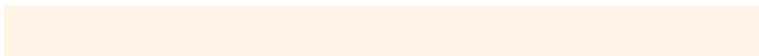
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2903, 94.0475, 103.3857



92.8513, 94.0475, 118.1398



92.2442, 94.0475, 87.2430

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



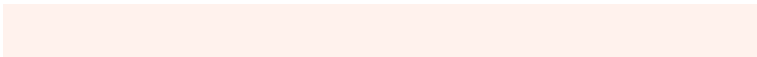
83.2903, 94.0475, 103.3857



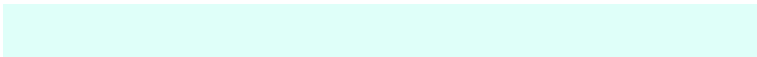
81.7711, 79.6936, 85.2015

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7278, 94.0475, 92.9209



83.2903, 94.0475, 103.3857



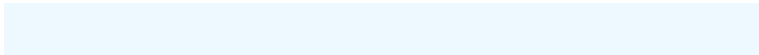
95.0842, 94.0475, 110.7074

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2903, 94.0475, 103.3857



89.7322, 94.0475, 121.3428



95.7791, 94.0475, 101.4240



89.0473, 94.0475, 85.5420

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2903, 94.0475, 103.3857



85.6908, 94.0475, 117.4078



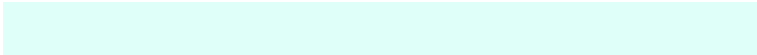
95.7791, 94.0475, 101.4240



93.1928, 94.0475, 88.7321

Sweetspot

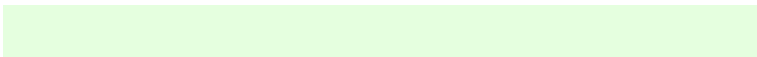
The Sweet Spot groups the original color and five complimentary colors.



83.2912, 94.0480, 103.3872



91.0901, 97.9940, 107.1158



81.5210, 93.5720, 83.5781



19.3424, 20.8965, 22.8560



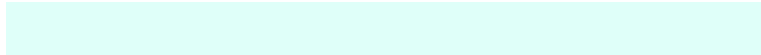
0.0000, 0.0000, 0.0000



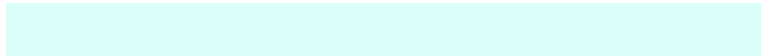
20.3446, 21.4041, 23.3091

Same Dimension

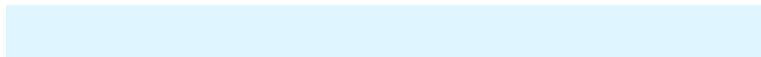
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2912, 94.0480, 103.3872



81.2179, 93.0002, 102.3388



81.2558, 88.4558, 107.3988



18.4002, 20.4196, 22.4105



24.6354, 39.7507, 37.5607



2.4347, 3.8848, 3.8467

Inverse Universe

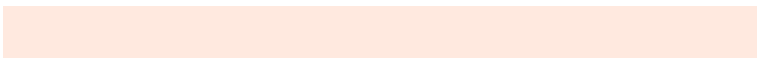
The Inverse Universe completely reimagines the original color for something new.



81.7711, 79.6936, 85.2015



79.4322, 76.1344, 80.9731



83.5858, 84.6403, 81.7453



18.1484, 18.0427, 19.3989



21.8649, 11.2353, 2.6733



2.1642, 1.1080, 0.4460

Previews

White Background



This preview shows how the XYZ color 83.2903, 94.0475, 103.3857 looks on a white background.

Color Contrast Check

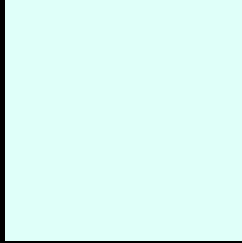
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 83.2903, 94.0475, 103.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

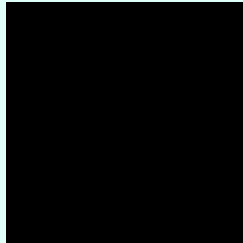
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2903, 94.0475, 103.3857

Background



This preview shows how black text looks on a background with the XYZ color 83.2903, 94.0475, 103.3857.



This preview shows how white text looks on a background with the XYZ color 83.2903, 94.0475,

103.3857.

Color Blindness Simulation

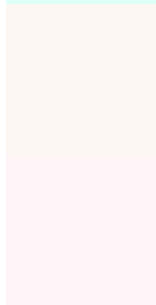
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.2903, 94.0475, 103.3857



Protanopia

90.0979, 93.9358, 98.9707

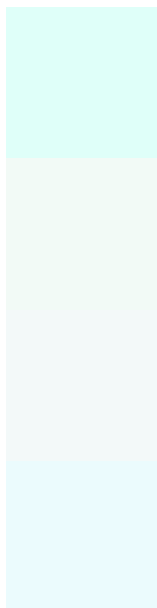
Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

83.2903, 94.0475, 103.3857

Protanomaly

87.4381, 93.9023, 100.7052

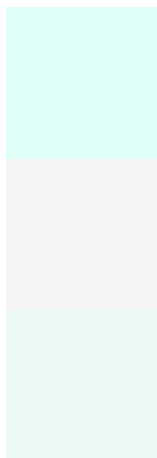
Deuteranomaly

87.9367, 93.6456, 103.0632

Tritanomaly

86.4878, 93.7484, 106.4654

Monochromacy



Original Color

83.2903, 94.0475, 103.3857

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4353, 92.4097, 100.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2903, 94.0475, 103.3857 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 83.2903, 94.0475, 103.3857 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 255, 249) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 255, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2903, 94.0475, 103.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223,  
255, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor